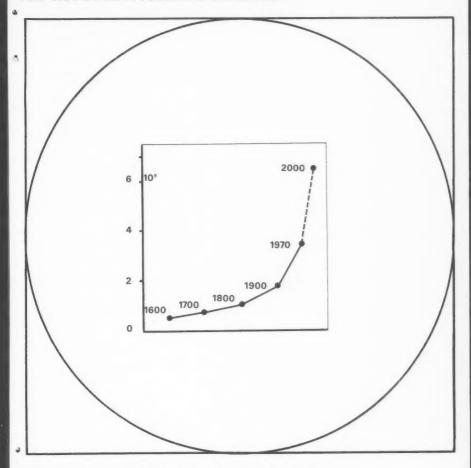
AN INTERNATIONAL JOURNAL



DANIEL R. MISHELL, Jr., M. D. - Editor

Publisher: GERON-X, INC., LOS ALTOS, CALIF.

EDITOR
Daniel R. Mishell, Jr., M.D.
Dept. of Obstetries and Gynecology
University of Southern California School of Medicine
1240 North Mission Road
Los Angeles, California 90033

EDITORIAL ASSISTANTS Alberta Lawson Janis H. Torres

d.

#### BOARD OF ASSOCIATE EDITORS

C. Wayne Bardin, M.D. Director, Center for Biomedical Researchi The Population Council 1230 York Avenue

New York, New York 10021

Gerald S. Bernstein, Ph.D., M.D. Professor Department of Obstetrics and Gynecology USC School of Medicine Los Angeles, California 90033

Joseph W. Goldzieher, M.D. Professor and Director Endocrine / Metabolic Research Department of Obstetrics and Gynecology Baylor College of Medicine St. Luke's Episcopal Hospital Houston, Texas 77030

David A. Grimes, M.D. Professor Department of Obstetrics and Gynecology USC School of Medicine Los Angeles, California 90033 Roy Hertz, M.D., Ph.D. Research Professor Departments of Pharmacology and Obstetrics and Gynecology George Washington University Medical Center Washington, D.C. 20037

Susan Heyner, Ph.D. Director, Obstetrics and Gynecology Research Laboratory 303 Korman Research Building Albert Einstein Medical Center York and Tabor Roads Philadelphia, Pennsylvania 19141

William D. Odell, M.D., Ph.D. Professor and Chairman Department of Medicine University of Utah College of Medicine Salt Lake City, Utah 84132

C. Alvin Paulsen, M.D. Professor of Medicine Department of Medicine University of Washington School of Medicine Seattle, Washington 98114 Allan Rosenfield, M.D.
Director, Center for Population
and Family Health
Professor, Obstetrics and Gynecology
and Public Health
Faculty of Medicine of
Columbia University
New York, New York 10032

John J. Sciarra, M.D., Ph.D. Professor and Chairman Department of Obstetrics and Gynecology Northwestern University and Medicine School 33 East Superior Street Chicago, Illinois 60611

Sheldon Segal, Ph.D. Director, Population Division Rockefeller Foundation 1133 Avenue of the Americas New York, New York 10036

William N. Spellacy, M.D. Professor and Head Department of Obstetrics and Gynecology University of Illinois College of Medicine 80 South Wood Street Chicago, Illinois 60612

CONTRACEPTION is indexed in Bibliography of Reproduction, Biological Abstracts, Chemical Abstracts, Current Contents, Excepta Medica, Index Medicus, and International Pharmaceutical Abstracts. Articles are abstracted monthly in Core Journals in Obstetrics and Gynecology.

### Corresponding Editors for CONTRACEPTION

E. Coutinho, M.D.
Professor
Department of Biochemistry
and Obstetrics
University of Bahia
Salvador, Bahia, BRAZIL

4

3

P. G. Crosignani, M.D. Professor IV Department of Obstetrics and Gynecology University of Milano Via M. Mellon, 52 20429 Milano, ITALY

Horatio B. Croxatto, M.D. Consultorio de Planificacion Familiar Centro Nacional de la Familia J.V. Lastarria 29, depto. 101 Santiago, CHILE

E. Diczfalusy, M.D.
Professor
Reprod. Endocrinology Research Unit
Swedish Med. Research Council
Karolinska Sjukhuset
Stockholm 60, SWEDEN

Anibal Faundes, M.D. Dept. of Obstetrics and Gynecology Universidade Estadual de Campinas Campinas, S.P., BRAZIL J. Ferin, M.D. Professor Physiology of Human Reprod. Research Unit University of Louvain Hosp. Louvain, BELGIUM

John Guillebaud, MA, FRCSE, FRCOG Medical Director, Margaret Pyle Centre for Study & Training in Family Planning 15 Bateman's Building Soho Square London W1 5TW ENGLAND

I. Hallbrecht, M.D. Professor Department of Obstetrics and Gynecology Tel Aviv University Med. School Tel Aviv, ISRAEL

J. Hammerstein, M.D. Professor Abt. Gynaek, Endokrinologie Sterilitat and Familienplanung Freie Universitat Berlin Hindenburgdamm 30 1000 Berlin 45 FED. REP. GERMANY

A.A. Haspels, M.D., Prof.
Department of Obsetrics and Gynecology
Academic Hospital
University of Utrecht
Catharjinesingel 101
Utrecht. NETHERLANDS

T. Luukkainen, M.D. Steroid Research Laboratory University of Helsinki Department of Med. Chemistry Siltavuorenpenger 10A SF-00170 Helsinki 17, FINLAND

Gregorio Perez-Palacios, M.D.
Professor and Chairman
Research Division and Dept. of
Reproductive Biology
Instituto Nacional de la Nutricion
Salvador Zubiran
Calle Vasco de Quiroga 15
Delegacion Tialpan
14000-Mexico, D.F.

Badri N. Saxena, M.D. Deputy Director General Indian Council of Medical Research Ansari Nagar New Delhi-110016, INDIA

R.P. Shearman, M.D. Professor of Obstetrics and Gynecology The University of Sydney Sydney 2006, N.S.W., AUSTRALIA

M. Vessey, M.D., Professor of Social & Community Medicine, Dept. of Community Medicine & General Practice University of Oxford Gibson Laboratory Building Radcliffe Infirmary Oxford OX2 6HE, ENGLAND

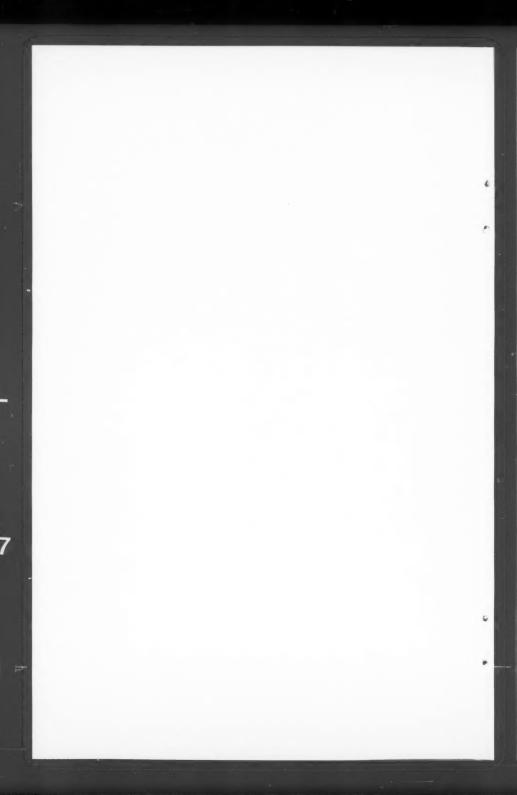
#### GUIDE FOR AUTHORS

CONTRACEPTION invites concise reports of original research in the experimental and clinical aspects of all areas of contraception. The purpose of this journal is to provide a medium for the rapid communication of advances and new knowledge in this important field. The Edition anticipates receiving manuscripts from workers in the following areas of research: chemistry, biochemistry, physiology, endocrinology, biology, the medical sciences and demography. Publication of original papers within 90 days of manuscript receipt is planned. Authors will be advised of disposition of the manuscript within 30 days of receipt. Manuscripts should be sent to:

Daniel R. Mishell, Jr., M.D., Editor Department of Obstetrics and Gynecology University of Southern California School of Medicine Women's Hospital, Room L1009 1240 North Mission Road Los Angeles, California 90033

Authors outside the United States should address manuscripts to a corresponding editor in their own country. Authors in countries not represented by a corresponding editor should send their manuscripts directly to The Editor.

Preparation of Manuscript - (See next page)



January 1987	Volume 35, Number 1
HAS FAMILY PLANNING A FUTURE ? E. Diczfalusy	1
REVERSAL OF FEMALE STERILISATION: A COMPAR. C.E. Lennox, J.A. Mills and G.B. James	
THE EFFECT OF ORAL CONTRACEPTIVES ON HORMOOF OLIGOMENORRHEIC ADOLESCENT CYCLES R. Siegberg, C.G. Nilsson, UH. Stenman and O. Widholm	
EFFECTS ON HEARING DURING PROLONGED ORAL CONTRACEPTIVE USE F. Samani, P. Bolzonello, R. Fior and A. Elia	41
COPPER-CONTAINING IUDS ARE NOT ASSOCIATED VINCREASE OF MALONDIALDEHYDE LEVELS IN CERVA.W. Bull, K. Moghissi, K. Wachsman and L.J. Mar	ICAL MUCUS
DEVELOPMENT OF A LOW-DOSE MONTHLY INJECTA CONTRACEPTIVE SYSTEM: II. PHARMACOKINETIC PHARMACODYNAMIC STUDIES V. Díaz-Sánchez, J. Garza-Flores, J. Jimenéz-Thom and H.W. Rudel	AND
EFFECTS OF ESTROGEN/PROGESTIN AGENTS ON PI RETINOIDS AND CHYLOMICRON REMNANT METABO J.M. Gleeson, C.S. Dukes, N.L. Elstad, IF. Chan and D.E. Wilson	LISM
EFFECT OF (D-TRP <sup>6</sup> ,PRO <sup>9</sup> -NEt)-GnRH ON THE FUNC ULTRASTRUCTURE OF PITUITARY AND TESTIS IN YB. Sun, YW. Wu, W. Liu and D. Yuan	MALE RATS
DOSE AND TIME RELATED CHANGES IN LDH-X ACT EPIDIDYMAL CARNITINE LEVELS AND FERTILITY, I TREATED MALE RATS  N. Giridharan, B. Sesikeran, M.S. Bamji and	

reordary 1987 volume 35, Number 2
A CLINICAL TRIAL OF NEO SAMPOON VAGINAL TABLETS AND EMKO FOAM IN ALEXANDRIA, EGYPT H. Youssef, V.A. Crofton, S.C. Smith and A.J. Siemens
TERMINATION OF EARLY HUMAN PREGNANCY WITH EPOSTANE L. Birgerson, A. Ölund, V. Odlind and C. Somell
CLINICAL EXPERIENCE WITH ETHYNODIOL DIACETATE 0.5 MG DAILY AS AN ORAL CONTRACEPTIVE  N.E. Shroff, M.Y. Pearce, M.E. Stratford and P.D. Wilkinson
THE INTERACTION BETWEEN SEX HORMONE BINDING GLOBULIN AND LEVONORGESTREL RELEASED FROM NORPLANT,
AN IMPLANTABLE CONTRACEPTIVE B. Affandi, S.Z. Cekan, W. Boonkasemsanti, R.S. Samil and E. Diczfalusy
STUDIES ON ZOAPATLE V. CORRELATION BETWEEN IN VITRO UTERINE AND IN VIVO PREGNANCY INTERRUPTION EFFECTS IN GUINEA PIGS D. P. Waller, A. Martin, Y. Oshima and H.H.S. Fong
ORAL ADMINISTRATION OF A WATER EXTRACT OF Phytolacca dodecandra L'HERIT IN MICE - EFFECTS ON REPRODUCTION  E. Mamo and M. Worku
THE MULTISLEEVED COPPER T MODEL TCu220C: EFFECT OF LONG-TERM USE ON CORROSION AND DISSOLUTION OF COPPER M. Thiery and A. Kosonen
PREGNANCY FOLLOWING MINILAPAROTOMY TUBAL STERILIZATION - AN UPDATE OF AN INTERNATIONAL DATA SET Ic. Chi, A.J. Siemens, C.B. Champion, D. Gates and D. Cilenti171
THE EFFECT OF TRIPHASIC AND BIPHASIC ORAL CONTRACEPTIVE PREPARATIONS ON HDL-CHOLESTEROL AND LDL-CHOLESTEROL IN YOUNG WOMEN  R.K.L. Percival-Smith, B.J. Morrison, R. Sizto and B. Abercrombie
SUBJECTIVE PERCEPTION OF BLEEDING AND SERUM FERRITIN CONCENTRATION IN LONG-TERM USERS OF NORPLANT®  A. Faundes, A.S. Tejada, V. Brache and F. Alvarez

ANNOUNCEMENT......197

M	_	-	_	2.	1	n	0	ø
IVI	28	г	c	п	1	9	o	ı

Volume 35, Number 3

POSTPONEMENT OF WITHDRAWAL BLEEDING IN WOMEN	
USING LOW-DOSE COMBINED ORAL CONTRACEPTIVES	
J.V. Hamerlynck, J.A.Vollebregt, C.M. Doornebos and P. Muntendam19	)
OVULATION DETECTION FOLLOWING REMOVAL OF LEVO-	
NORGESTREL SUBDERMAL CONTRACEPTIVE IMPLANTS	
A.A.A. Ismail, M.Y. Anwar, S.M. Youssef and M. Toppozada20	7
PLASMA LEVELS OF LEVONORGESTREL AND FREE LEVO-	
NORGESTREL INDEX IN WOMEN USING NORPLANT®	
IMPLANTS OR TWO COVERED RODS (NORPLANT®2)	
	_
S-E. Olsson, V. Odlind, E.D.B. Johansson and M-L. Nordström21	5
CLINICAL AND METABOLIC STUDY OF A NEW PILL CONTAINING	
20 mcg ETHINYLESTRADIOL PLUS 0.150 mg DESOGESTREL	
P. Fioretti, F. Fruzzetti, R. Navalesi, C. Ricci,	
R. Miccoli, M. Cerri, M.C. Orlandi and G.B. Melis22	9
TWO YEARS OF INTRAUTERINE CONTRACEPTION WITH LEVO-	
NORGESTREL AND WITH COPPER: A RANDOMIZED COMPARISON	
OF THE TCu 380Ag AND LEVONORGESTREL 20 MCG/DAY DEVICES	
I. Sivin, J. Stern, J. Diaz, M.M. Diaz, A. Faundes, S. El Mahgoub,	
S. Diaz, M. Pavez, E. Coutinho, C.E.R. Mattos, T. McCarthy,	
D.R. Mishell, Jr., D. Shoupe, F. Alvarez, V. Brache and E. Jimenez24	5
GLUCOSE AND LIPID METABOLISM WITH TRIPHASIC ORAL	
CONTRACEPTIVES IN WOMEN WITH HISTORY OF	
GESTATIONAL DIABETES	
A.W.C. Kung, J.T.C. Ma, V.C.W. Wong, D.F.H. Li, M.M.T. Ng,	
C.C.L. Wang, K.S.L. Lam, R.T.T. Young and H.K. Ma25	7
	1
SULPROSTONE (NALADOR <sup>TM</sup> ) VERSUS GEMEPROST (CERVAGEM <sup>TM</sup> )	
FOR CERVICAL PRIMING IN THE TERMINATION OF PREGNANCY	
DURING THE FIRST TRIMESTER	
S. Heinzl and M. Hendry27	1
5. Helitzi and W. Helidi y	
ENHANCED ANTIFERTILITY ACTIVITY OF NON-STEROIDAL	
MOLECULES WITH 3-n-BUTYLAMINO-2-HYDROXYPROPYLOXY	
SIDE CHAIN	
S. Ray, M.M. Singh, A.K. Agarwal and V.P. Kamboj28	3
INHIBITION OF LACTATE DEHYDROGENASE-X BY IMINO-	
DERIVATIVES OF GOSSYPOL: STRUCTURE ACTIVITY	
RELATIONSHIP	_
I. Kim, G.B. Marcelle, D.P. Waller, G.A. Cordell and H.H.S. Fong28	9
LETTER TO THE EDITOR29	9
REPLY TO LETTER TO THE EDITOR30	5

April 1987	Volume 35, Number 4
TERMINATION OF EARLY GESTATION	N WITH THE ANTI-
PROGESTIN STEROID RU 486: MEDIUM	M VERSUS LOW DOSE
D.R. Mishell, Jr., D. Shoupe, P.F. E	Brenner, M. Lacarra, J. Horenstein,
P. Lahteenmaki and I.M. Spitz	307
METABOLIC INVESTIGATIONS WITH	
CONTRACEPTIVE CONTAINING GEST	ODENE AND
ETHINYLOESTRADIOL	
K. Fotherby, I. Trayner, P.N. Long	thorne, B. Lee and H.R. Watson323
ESTIMATES OF POST-PARTUM BLEED	
N. Pedrón, H. Mondragón, B. Marc	
and A.J. Gallegos	339
THE EFFECT OF POST-PARTUM IUD I	NSERTION ON
POST-PARTUM BLEEDING	
N. Pedrón, H. Mondragón, B. Marc	ushamer and A.J. Gallegos345
PLASMA LEVELS OF CORTISOL AND	CORTICOSTEROID
BINDING GLOBULIN DURING USE OF	NORPLANT®-2 IMPLANTS
S-E. Olsson, V. Odlind and G.L. H	ammond353
MICRODOSE INTRAUTERINE LEVONO	PRGESTREL FOR
CONTRACEPTION	
WHO Task Force on Intrauterine I	Devices for Fertility Regulation363
PHARMACOKINETICS OF NORETHIST	ERONE FOLLOWING ITS
ORAL ADMINISTRATION AND BY SPR	AYING IT NASALLY OR
SUBLINGUALLY TO MALE BONNET M	
C.P. Puri, B.S. Vajifdar, V.G. Nay	
J.M.R. Pongubala, Y.K. Hamied an	d T.C. Anand Kumar381
THE EFFECT OF LHRH ANALOGS ON	PREGNANCY
IN THE BABOON	
R. M. Eley	389
QUANTITATIVE ANALYSIS OF GERM	
CELLS IN RAT MADE INFERTILE WIT	
A.P. Sinha Hikim and A.P. Hoffer	395
INDUCTION OF MENSTRUATION BY	
ZK 98.299 IN CYCLING BONNET MONI	
C.P. Puri, W.G. Elger and J.M.R. P	ongubala409

May 1987	Volume 35, Number 5
AN ANTIPROGESTIN	POSTCOITAL LUTEAL CONTRAGESTION BY (MIFEPRISTONE, RU 486) IN 62 WOMEN and A.A. Haspels
M.R. van Santer	and A.A. Haspels423
A MONTHLY CONTR.	FAILURE OF MIFEPRISTONE (RU 486) AS AGESTIVE, "LUNARETTE" 1 and A.A. Haspels433
CLINICAL PERFORM AND NOVA-T: A CO	ANCE OF COPPER-T-200, MULTILOAD-250 MPARATIVE MULTICENTRE STUDY
P. Fylling	439
THE SUPPRESSION (CONTRACEPTIVE - F	OF OVARIAN FUNCTION BY THE NEW ORAL EMODENE
J. Strickland, I.	Y. Tolowinska, F. Anthony and K.J. Dennis447
FACTORS IN RELATI	
M.P. Vessey, L.	Villard-Mackintosh and D. Yeates457
	S OF NORETHISTERONE IN HUMANS , J. Gu and K. Fotherby465
DIFFERENT DRUG D CIRCULATION INTO VIA BREAST MILK Z.K. Shikary, S V.S. Toddywala	NORGESTREL (LNG) ADMINISTERED THROUGH ELIVERY SYSTEMS FROM THE MATERNAL THE NEWBORN INFANT'S CIRCULATION  S. Betrabet, Z.M. Patel, S. Patel, J.V. Joshi, ,, S.P. Toddywala, D.M. Patel, K. Jhaveri
INJECTABLE CONTR A.A.A. Ismail, A	SE TO LHRH IN LONG-TERM USERS OF ACEPTIVES 1. El-Faras, M. Rocca, F.A. El-Sibai and 
MARKED DECILIATION OF INTERPOLATION OF I	ON AND INSUFFICIENT SECRETORY INDOMETRIAL SURFACE DURING TREATMENT STOGEN-ESTROGEN COMBINATION archini, G. Cavalli, A. Baglioni and
BY LECTINS	LANTATION OF HAMSTER EMBRYOS 2. Sobhon, P. Bubpaniroj and V. Yodyingyuad507

June 1987	Volume 35, Number 6
TRANSFER OF NORETHISTERONE (LNG) FROM A SINGLE TABLET IN CIRCULATION THROUGH THE MO	TO THE INFANT'S
S.S. Betrabet, Z.K. Shikary, V.S.	
D. Patel and B.N. Saxena	517
A COMPARISON OF A NEW GRADU. WITH THREE CONSTANT-DOSED O	RAL CONTRACEPTIVES
T. B. Appel, K.A. Arman, C. Bir	dsall et al523
THE EFFECTS OF CONTRACEPTIVE REPLICATION OF C. trachomatis IN	
CELLS	
D. Kleinman, I. Sarvo and V. In	sler533
FIVE-YEAR EXPERIENCE WITH NO	RPLANT® IMPLANTS IN
	bo-Eloyoun and M.M. Shaaban543
LONG-TERM FOLLOW-UP OF WOME	EN TREATED WITH NORPLANT®
	E.D.B. Johansson and H.B. Croxatto551
RECOVERY OF FERTILITY AND OU PREGNANCIES AFTER THE REMOV	
SUBDERMAL IMPLANTS OR COPPE	
S. Diaz, M. Pavez, H. Cardenas	and H.B. Croxatto569
INTERVAL OUT-PATIENT FEMALE	
O.K. Ogedengbe, O.F. Giwa-Osa	gie and M.A. Adeyemi581
A MULTICENTRED PHASE III COM	PARATIVE CLINICAL TRIAL
OF DEPOT-MEDROXYPROGESTERO	NE ACETATE GIVEN THREE-
MONTHLY AT DOSES OF 100mg OR	150mg: II. THE COMPARISON
OF BLEEDING PATTERNS	ng Systemic Agents for Fertility
	591
•	
INFLUENCE OF ASPIRIN ON THE P NORETHINDRONE	HARMACOKINETICS OF
	611
PLASMA CONCENTRATIONS OF 3-K	
AFTER ORAL ADMINISTRATION OF	
	Shenoy and M.L'E. Orme619
with some and the second secon	
Author Index	627

Subject Index......631

